METHOD FOR ASSESSING THE ENDURANCE OF A RUNNING FLAT SYSTEM

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Inventor: HOTTEBART FRANCOIS (FR); SHEPHERD RUSSELL (US)
Applicant: MICHELIN SOC TECH (FR);; MICHELIN RECH TECH (CH);; HOTTEBART FRANCOIS (FR);; SHEPHERD RUSSELL (US)
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US4186377
US6087930

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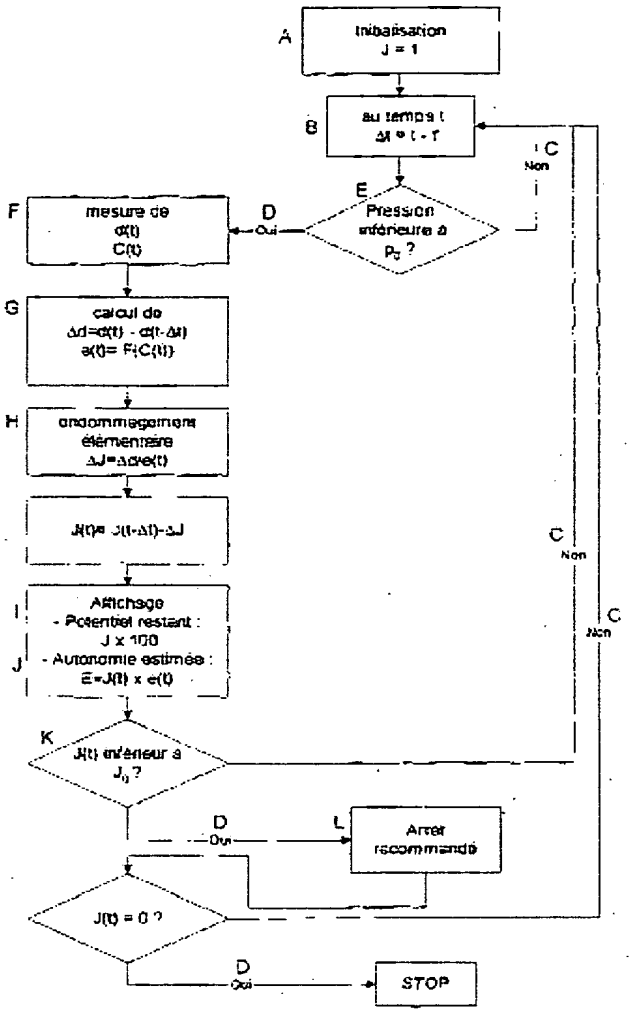
Abstract of **WO0207996**

The invention concerns a method for assessing the endurance of a motor vehicle running flat system comprising at least for each wheel a tyre casing, a deflation alarm and means supporting the running tread of the tyre casing when the casing is deflated, which, from the instant the deflation alarm has detected a predetermined deflating threshold, consists in: periodically measuring the distance covered and a parameter C(t) characteristic of the running conditions; determining on the basis of C(t) and the measured distance over DELTA t a quantity characteristic of potential elementary damage of the system during the time elapsed DELTA t; calculating an estimate of the global damage by combining the calculated elementary damage levels since the start of flat running; and transmitting to the vehicle driver a quantity related to that estimate of the flat running system global damage.



A...INITIALISING J=1
B...AT INSTANT t
C...NO
D...YES
E...PRESSURE LOWER THAN Po?
F...MEASURING d(t) c(t)
G...CALCULATING
H... ELEMENTARY DAMAGE
I...DISPLAY REMAINING POTENTIAL
J...ESTIMATED ENDURANCE
K...J(t) LOWER THAN Jo?
L...ADVISED TO STOP
